

Textiles for Interior Designers and Architects PDF - Descargar, Leer



DESCARGAR

LEER

ENGLISH VERSION

DOWNLOAD

READ

Descripción

Interior Design. Earn two degrees in three years by combining Interior Design with Architectural Drafting/Construction Technology. Learn more about the . In the Interior Design program, develop a strong foundation in computer-assisted design, furnishings, lighting, textiles and sales. Learn the fundamentals for success in.

10 Apr 2009 . What else we need other than textile furnishings to give every corner of a home its own identity. Role of Fabrics in Interior Decor. home furnishing fabrics.jpg Fabric is such a material that is used by most of the interior decorators to cure any flaw in the interior architecture. There are many other primary.

Interior design tools. Interior design products. Contract magazine offers a valuable service to its readers in bringing them a wide selection of outstanding products to inspire their designs. Architects and interior designers trust Contract to have a quality selection of interior design products from top manufacturers all over the.

Endorsements & Reviews. "Essential for anyone interested in cloth, particularly those who work with it professionally." — Sydney Morning Herald. "A worthy addition to an interior designer's or decorator's library...will intrigue the reader who wants to learn about [the] field." — Julie Dillon, Houses: The Residential Architecture.

3 Jun 2015 . Interiors don't get more richly layered than those created by Douglas Mackie, whose knowledge of the history of art, textiles and interior design precedes him. He was selected by Architectural Digest as one of the world's top 100 interior designers in 2015 and is in serious demand across the country.

Promote the teamwork between your corporate and the textile culture: our office solutions foster well-being, reinforce corporate identity, and have a positive effect . Create a unique learning environment: our solutions for educational institutions interact with your architecture to maintain the art of interior design, at the same.

sustainable textile materials as a part of sustainability in interior design. Keywords: . interior design. The application of textiles in interior environments can produce various results; an interior environment can be made light and soft, or colourful. . Textiles play a growing role in architecture toward these considerations. They.

Douglas Mackie has been Recognised by House and Garden Magazine as one of the 100 Leading UK Designers Since 2009.

As an internationally-renowned furniture and fabric artisan, interior designer, antiquarian and author, Rose's creations have enchanted the design community for over thirty years. Her life and work have been covered by the New Yorker, the New York Times, Architectural Digest, Town and Country, House Beautiful, Elle.

Courses for Clothing, Textiles and Interior Design 1 . interior delineation. Prerequisite(s): CTD 121. CTD216 Beginning Weaving. Hours 3. Study of original design in loom weaving techniques; dressing the loom; drafting designs; and weaving and . architectural procedures and systems including electrical, plumbing,.

In Europe, the educational requirements differ between interior architects (considered a profession comparable to architects or structural engineers) and interior designers (considered a trade comparable to carpenters). Traditionally in Germany, Interior Architecture has been taught at polytechnic universities or universities.

29 Mar 2016 . This event is presented in conjunction with the launch of Textile Technology and Design: From Interior Space to Outer Space, edited by Deborah Schneiderman and . She is also a registered architect and the principal and founder of deSc: architecture/design/research, a Brooklyn based research practice.

Whale of an idea wins SBID International Design Awards. Read more > . Textile Design solutions for Interior and Fashion applications. Egle Findlay Textile . Dulux · Blum · GWA Caroma · Godfrey Hirst · Architecture Media · Laminex · Own World · Schiavello · Blank · The Beaumont Studio · Wood Solutions · Architecture.

PhD Project: Functional Textiles in Hospital Interiors - An Exploratory Study of the Technical and Aesthetic Design Qualities of Interior Textiles in Hospital Design . The project is overall

related to the construction of new Danish hospitals, where the design concept healing architecture is introduced in a national context.

11 Oct 2016 . For a certain cadre of elite architects and decorators, even the finest textiles in production are not good enough. . is this mix that has given Johnson, despite her low profile, a very impressive client list that includes the architects Annabelle Selldorf and Peter Marino, and the interior designer Axel Vervoordt.

27 Apr 2013 . When it comes to researching and specifying textiles—including fabrics, fibers and upholstery—what are the priorities for interior designers and architects? Interior Design worked with the Association for Contract Textiles (ACT) to survey over 500 industry pros on the types of fabrics they specify, as well as.

Jobs 1 - 25 of 76 . View - Momentum Textiles, LLC jobs available on International Interior Design Association (IIDA). Search for and apply to open jobs from International Interior Design Association (IIDA). . Spotlight. Interior Designer Marks Thomas/Moseley Architects – Baltimore, MD, United States. Marks Thomas/Moseley.

22 Mar 2016 . Aaron Betsky looks at implicit gender biases in interior design through a reading of *Textile Technology and Design: From Interior Space to Outer Space*, a new book from Bloomsbury Academic.

Custom. Judy Ross Textiles is a New York City-based home textile and design studio that has achieved international acclaim for Judy Ross' trademark aesthetic. She has collaborated with prominent designers and architects such as Robert Couturier, Amy Lau, Eve Robinson, Shamir Shah, India Mahdavi, and Alan.

As a student in this program, you'll study drafting, design, space planning, problem solving, and the history of interior design and architecture. . Professional Practices and Communication for Interior Design; Textiles for Interior Design; Interior Design Building Systems; Technical Drawing for Interior Design; Fundamentals of.

Over three days you will be introduced to the basic process and principles of interior design and styling through developing your own personal project at an express pace. Usually . No working/prior knowledge of computers, design or architecture is required. Day one . School of Textiles and Design Short Courses. +44 (0).

. out by the company, their communications agency and architect Massimo Gusmeroli, whose taste and style pervades the entire Kohro collection of Italian fabrics. . The home goods collection features a variety of Italian fabrics for interior design, including cotton textiles, silk textiles, linen textiles, wool textiles, country print.

Kvadrat textiles play an important part in commercial, public and domestic interiors around the world. Our extensive collection meets the needs of designers and architects in the spaces they create and have been used in such iconic architectural developments as the Museum of Modern Art NYC, The Guggenheim Museum.

S. Harris enjoys a rich tradition that spans over a century providing fine, decorative fabrics to meet the exacting needs and tastes of interior designers, architects and specifiers. Founded in 1906 by Sol Harris and then purchased by Fabricut in 1988, S. Harris has built the reputation as the leading supplier of fine textiles and.

memBrain Brands. 1800 Century Park East, Suite 1000. Los Angeles, CA 90067. Phone: 310 499 2850. hello@membrainllc.com. About Martyn; Ann Sacks · Christofle Crown · Daum Crystal · Haviland · The Rug Company · Madura Bedding · Schumacher · Perennials · Frontgate · MLB Atelier · MLB Textiles · MLB Books.

Module 2. The History of Style, Decoration and Architecture. This comprehensive module takes you on a fascinating journey, beginning with the origins of decorative finishes seen in cave paintings and ancient dwellings and leads you through the history of design and

architecture to the present day. Full of visual images and.

Updates and design writing from Carl Dellatore—editor of Interior Design Master Class, a treatise of American Interior Design.

25 Jul 2011 . “The community of modernist designers was small and she met Hans Knoll,” Martin said. Schust went to work for Hans Knoll Furniture in 1943 and established the Knoll Planning Unit. She believed in “total design,” embracing principles of architecture, manufacturing, interior design, textiles, graphics,.

12 Sep 2014 . “It was only when I studied in London that I recognised my own heritage in the amazing Turkish textiles and objects like the Iznik tiles that I found in museums . There is a growing demand for interior design within the country, and architects, designers and consumers are beginning to explore their national.

3 Feb 2017 . We are currently offering an internship for a designer who will collaborate on our concepts and textile designs as well as their execution. You are a student at an advanced bachelors or masters level, studying at an art school or university. Skills in textile design and making is preferred but not necessary.

Part One, “Textile: Pliable Planes, Interior Applications, and Fabrications,” explores the role of textiles within the context of interior design and architecture. Textiles play an intrinsic role in forming interior spaces, though architecture historians and critics, particularly in the context of modernist environments, have often.

Morrison Interiors has a complete Interior Design service, liaising with architects, builders, joiners and garden designers, creating furniture and lighting layouts, and all aspects of interiors such as carpets, curtains, sourcing furniture and antiques. The Morrison Fabrics range is a natural progression born out of Penny's.

7 Jan 2014 . Held in Istanbul, Turkey, at various venues. The 2014 event's theme is “The Future is Not the Same Anymore.” Features architecture, urban design (urban and regional planning), and interior, industrial, graphic, fashion, and textile design and new media. Connects design creativity with professional aspects.

Bases-ascendant.top FABRICS Guide Interior Designers Architects MaryPaul Yates Textiles BO2 [162757663090] - Condition: Very Good : A book that does not look new and has been read but is in excellent condition. No obvious damage to the cover, with the dust jacket (if applicable) included for hard covers. No missing.

17 Nov 2017 . The 23-year-old designer graduated from college and was brought on as an interior designer at Delawie Architects in San Diego, jumping right into furniture and fabric curation. Never confining herself to one medium in particular, she always fluctuated between painting, drawing, and interior design,.

27 May 2014 . First known as a supplier of theatrical textiles to Broadway and beyond, Maharam pioneered the concept of engineered textiles for interior applications in the 1960s. Today Maharam is the world's leading provider of textiles to commercial architects and interior designers. The studio takes a holistic view of.

27 Jul 2017 . Schmitt received the award under the Design Excellence category having lead a diverse range of projects since beginning her career seven years ago at IA Interior Architecture. Schmitt was the lead designer of a showroom for Concertex, a textile and wallcovering manufacturer aiming to break into the.

Scottish Interiors LDN. a showcase of the freshest interiors & textiles from Scotland. Scottish Interiors LDN is an interiors and textiles showcase event for global interior designers, architects, influencers and trend-setters! Monday 18th September: 9am-5pm. Tuesday 19th September: 9am-5pm. Over the two days you will meet.

Interior designers are creative professionals who help (re)design and transform the interiors of

a built space with their knowledge in architectural principles, construction techniques and design technology. They help make the space aesthetically appealing and functionally efficient, aligned with the needs and requirements.

An upholstered furniture manufacturer, a wallcoverings designer, or a carpet and area rug producer, for example, may elect to maintain a product showroom where merchandise is shown to professional interior designers, architects, and other members of the trade. These professionals select products.

27 Sep 2017 . The interior design program at Kansas State University provides a first professional degree in a four-year curriculum. . to attend graduate schools of their choice in a variety of disciplines or specializations including, but not limited to, interior design, lighting design, historic preservation and architecture.

Ways of living are intrinsic to both architecture and textiles as areas of design; from near-field clothing design, fashion design, and furnishing to far-field interior design and architectural design, from dressing us and our bodies to situating us in a living space: how to relate the near-field and far-field perspectives of design.

The Cradle to Cradle Products Innovation Institute is a non-profit organization created to bring about a large scale transformation in the way we make the things we make.

27 Aug 2015 . Opportunities exist throughout the UK. The biggest concentration of consultancies is in the south east of England. Almost all interior designers have a degree or HND. This may be in interior design or in a related subject such as 3D design, graphic design, fashion and textile design, architecture or fine art.

They will work in a variety of positions, including colorist, fabric engineer, designer, and stylists, and are employed as in-house designers by apparel manufacturers, product developers, interior designers, in the automotive industry, and home furnishing companies, as well as in many other textile-related industries.

Several dozen distributors stock textiles as merchandise in the United States and abroad. These are discussed later in this chapter. These industry distributors then sell goods to the trade. The trade consists of architects and interior architects, specifiers, facility managers, interior designers, interior consultants and decorators.

With an eye for designing and placing a room, interior designers make the home. Reworking manufacturing techniques from centuries old and taking cultural patterns seen on travels to distant lands, here are six designers and their firms who are drawing and producing textiles of their own - adding that final layer to their.

23 May 2014 . In general – like architects, interior designers charge by the hour rather than by the project – this is simply because they are dealing with subjective tastes, and some clients may need a little more attention and design revisions than others. Costs vary tremendously between smaller, individual designers and.

19 Jun 2015 . Though architect David Adjaye earned his stripes designing masterful structures, he has turned his eye to a more intimate scale in recent years, creating furniture and now . At the commercial interior design show NeoCon, which ended yesterday, KnollTextiles and Adjaye launched the resulting collection.

With a great enthusiasm for twentieth-century architecture and a keen appreciation for industrial materials, Betancourt pays homage to his time with Skidmore, Owings and Merrill in both the Washington and New York offices. He then worked with interior designer John Saladino who served as his mentor before Betancourt.

On October 26, 2017, the Design Leadership Symposium welcomed Kelly Hensler of Potter Lawson. Kelly received her Bachelor's Degree in Interior Design from our very own School of Human Ecology at the University of Wisconsin- Madison before completing her Master's

Degree at the University of Illinois at.

Melbourne made designer handprinted wallpaper, decorative textiles and bespoke interior design services. Residential and commercial interiors. Call 0431 564 814.

Malawi & Zambia. Katundu is an interiors & textile workshop, created to provide employment for single mothers & orphan carers, the workshop produces top quality hand-beaded linens, statement lighting, clothes & more. Working on the textile interior design for the Latitude Hotels in Zambia and Malawi, I created a.

Add style and sophistication to your decor with Designers Guild's gorgeous collection of one of a kind fabrics, wallpaper, and home accessories.

To become a professional interior designer you'll need a relevant degree, foundation degree or HND. Industry employers prefer subjects such as architecture, fine art, furniture design, interior/spatial design, interior architecture, textile design and 3D design. You can enter the profession without a degree but you must have.

Stuttgart Germany Textured Walls Retail Space Retail Interior Design Store Interior Design Gold Interior Clothing Store Interior Retail Store Design Clothing Stores. Swiss architects Rippmann Oesterle Knauss (ROK) recently completed the MRQT Stuttgart boutique that features a textured wall made up of timber dowels.

27 Jul 2017 . Exhibitors showcase their range of services relating to the focal theme "customised" Textile solutions for interior design, architecture and hotel furnishing convince above all in terms of their flexibility, functionality and sustainability. With the Interior.Architecture.Hospitality Expo, there is now a new exhibition.

14 May 2016 . 5 Textiles Best Brands You Should Visit at ICFF 2016 ICFF is: the Best Brands, Fashion Forecasters, Interior Designers & Decorators, Architects, Press/Media, a.

4 Oct 2016 . Every year, American home-furnishing stores sell more than \$40 billion of merchandise, with products chased on and off the floor by changing fashions and technology. Tracking the abundance is more than any set of eyes can manage. So we asked 30 interior designers and architects to recommend their.

9 Sep 2017 . WOVNS a Bay Area Interior Design textile company is revolutionizing the textile market by making it possible for designers to order 1 yard of fabric at a time and get it as fast as 1 week. . They've opened the door to small firms and young designers who have great ideas but not a lot of backing. It is precisely.

Your study in the MFA Textiles program is interdisciplinary by design. Coursework connects fields including art, architecture, interior and industrial design, as well as fashion and autonomous design. The curriculum unites concerns ranging from human dignity to environmental sustainability to social justice. Accordingly, the.

2 Jun 2008 . A survey of professional members of two chapters of the American Society of Interior Design in Southern California was conducted to determine the criteria used as well as the textile competencies needed to specify textiles. Descriptive statistics were used, and the results indicated that appearance was the.

Menu. Home · Shop · Textiles · Press · Showrooms · Cart · Home · Shop · Textiles · Press · Showrooms · Cart · Home · Shop · Textiles · Press · Showrooms · Cart. Modern Interiors. Timeless Textiles. Unique Arrangements. Subtle Statements. Timeless Elegance. CONTACT.

1 Sep 2016 . Each year, architects and interior designers should mark the dates of the Heimtextil trade fair, held each January, in their diary and plan a trip to Frankfurt. This is because the annual Heimtextil trade fair highlights impressive opportunities for object design with textiles. Advert Heimtextil

A Newsletter by InformeDesign. A Web site for design and human behavior research.

www.informedesign.umn.edu. IN THIS ISSUE. Innovative. Interior Textiles. Related Research . medical textiles, geotextiles, architectural textiles, agrotextiles, and . include the application of textiles as interior walls. Unlike standard wall.

REVOLUTION® "solar shading fabrics made from plants". The development of our state of the art solar shading fabric REVOLUTION® has been awarded with overwhelming enthusiasm from architects, interior designers and customers globally. REVOLUTION® is made from Ingeo™ biopolymer PLA (Poly Lactic Acid).

In this program, you will learn the ins and outs of the dynamic world of the textile and apparel industry, from design and development, to manufacturing, to distribution and merchandising. Through field trips . Interior Design Students in the College of Art and Architecture at the University of Idaho handcraft. Interior Design.

Contract textiles for Interior Design, architecture and hotel. With over 3,000 exhibitors, Heimtextil is the largest trade fair for home and contract textiles. In the "Interior.Architecture.Hospitality" Expo around 400 exhibitors will be showcasing their contract business portfolios to an international trade audience. The incredible.

PONGS® textiles; Illuminati. Excellent light diffusion for backlit applications. #textiles #inspiration #digital #print #architecture #interior #design #creative interior inspiration architecture art design creative colorful light pongs digital printing textile fabric new unique. See more.

Momentum Group has won Best of NeoCon, Merit, IIDEX and Interior Design awards for our cubicle, panel, green Crypton ® , upholstery, sustainable, seating, and recycled fabric designs. Interior Textiles Furniture Lighting. Home / Magazines / Interior Textiles Furniture Lighting. Default sorting, Sort by popularity, Sort by average rating, Sort by newness, Sort by price: low to high, Sort by . Design Diffusion News – subscription. From: € 165.00 . md Interior Design Architecture – subscription. From: € 165.00.

Discover all the information about the product Interior fitting acoustic panel / textile / design / for offices ARCHITECTS - Acousticpearls and find where you can buy it. Contact the manufacturer directly to receive a quote.

5 Nov 2017 . However, as the creative designer points out, the «traditional textile expertise» has been lost over the years. Today, designers were hardly able to distinguish a cheap fabric from a high-quality one or tell whether it is cotton, wool, viscose or polyester. "Architects and interior designers need to learn this once.

Then, you'll enjoy the optional Waldensian Tour which gives an idea of the faith, design and architecture of the Waldensian people in northwest Italy. You'll . Interior Designer Residential Designer Commercial Designer Retail Designer Furniture Designer Ergonomics Healthcare Designer Lighting Acoustics Textiles Interior.

5 Jul 2016 . Born and bred in the Maximum City, designer Neishaa Gharat might be a resident of London now, but this Mumbai-girl still remains firmly grounded in her roots. And that's something that's best seen in her work. Her brand House of Gharats fuses east and west, where bold colours meet fresh patterns in a.

Fabrics: A Guide for Interior Designers and Architects (Norton Professional Books for Architects & Designers) Hardcover – May 17, 2002. . Marypaul Yates, is principal of Yates Design Inc., which provides marketing, design, and color services to the interior furnishings field.

2 Soft Spaces: From the Textile-Clad Interior to Modern Interior Design, Anca I. Lasc (Pratt Institute, USA) 3 Felt and the Emerging Interior, Helene Renard (Virginia Tech School of Architecture and Design, USA) 4 Tailoring Second and Third Skins, Lois Weinthal (Ryerson University, Canada) 5 Interview with Carol Bove.

Designer INTERIOR FABRICS from international manufacturers ✓ detailed info ✓ high-resolution images ✓ CADs ✓ catalogues ✓ find your nearest..

Industrial Design, Interior Design, Fashion · Lamp: Sphere of Hexagonal Cells. by Margaret Barry. 485. 4985. Industrial Design, Interior Design, Product Design · RISD Lightscapes. by Kelly He. 4. 23. Architecture, Interior Design, Landscape Design · Poisonous Creatures. by Blanca Castro Dominguez. 2. 15. Textile Design.

Jenny Sabin to create robotically knitted canopy for MoMA PS1 Young Architects Program 2017 · New York-based architectural design practice Jenny Sabin Studio has won MoMA PS1's Young Architecture Program competition with plans for a shelter made of robotically knitted textile solar panels. More · Jessica Mairs | 20.

SEES Design is a family owned interior design firm in Oklahoma City. The firm has provided new build, remodel, furnishing, and redecoration services in the area since 1975. The family has a combined experience of over 70 years in antiques, architecture, textiles, furniture, and interior design. The firm has been featured in.

3 May 2017 . Here are six ways that textile designers and textile-loving designers like to show them off (none of which involve pillows, because you already know you can .. a textile over a pole and then raising it to hang against the wall, you'll "instantly transform it into a piece of art," according to British interior designer.

Ethical Source for New and Vintage Moroccan Rugs and Textiles. . Semikah Textiles began out of a passion for Moroccan architecture, culture design and textiles. In 2015 we had the opportunity to travel to Morocco on . If you have interior design needs you can contact us at hamletinteriors@gmail.com. Veronica Hamlet is.

To meet the growing demand for contract interior work on projects such as offices, hotels, and public buildings, these businesses became much larger and more complex, employing builders, joiners, plasterers, textile designers, artists, and furniture designers, as well as engineers and technicians to fulfil the job. Firms.

Professional architects and interior designers trust Contract magazine to bring them the best upholstery products from the top brands and manufactures, including Designtex, Maharam, Momentum Textiles, Arc-Com Fabrics, KnollTextiles, Architex, Carnegie, Luna Textiles, Pallas, CF Stinson, Mayer Fabrics, Teknion Textiles.

7 Mar 2013 . Her hard work began when she first graduated from college—Caitlin turned to her phone book to search for local interior design companies in Utah, where interior design firms were scarce. After cold-calling virtually every design company in the book, she ended up landing a position at a small firm. Caitlin.

11 Oct 2017 . Heimtextil 2018 to offer textile solution for architects and interior designers. Heimtextil 2018, a leading trade fair for home and contract textiles, which will take place from 9-12 January in Frankfurt. As part of the new Interior.Architecture.Hospitality Expo, trade visitors from the contract business will get to see.

Studio 19 is a young multi disciplinary design studio based in Johannesburg, South Africa. Founded in 2009 by stylist Mia Widlake. Studio 19 occupies the vast area between product design and interior architecture. Designing spaces, products and corporate identities for clients ranging from established restaurant chains to.

AIA Minnesota · AIGA Minnesota · AJ Maison · American Society of Interior Designers, MN Chapter - ASID MN · Amsum & Ash · Amy E Haglin Interior Design · Architecture Minnesota Magazine · Art Resources Gallery · Aubry-Angelo, Ltd · Aulik & Associates · Bahir Custom Lighting and Decor · Baker Furniture · Banana Shull.

ID 24510 TEXTILES IN THE BUILT ENVIRONMENT 2 Credit Hours. A concise background in textile science is estalish3d with a hands-on approach to the evaluation, selection and

application of textiles by interior design professionals and architects. Prerequisite: interior design (ID) major. Corequisite: ID 34503. Schedule.

In the planning and development phase of new hospitals, built these years, a new tendency has gained ground, and concerned with the patients' hospital experience, the design concept healing architecture is introduced^{1,2}. As a contrast to contemporary modern hospitals, often criticised of being too clinical and.

Alternative Title: interior decoration. Interior design, planning and design of man-made spaces, a part of environmental design and closely related to architecture. . The same basic situation holds generally true in the design of fabrics, lighting devices, floor covering, and all home-furnishing products. All design activities are.

and other interior fabrics for the contract market. The textile designer doesn't know how or where the fabric will be used, and therefore designs a woven fabric with a good, stable quality, which could be used as an upholstery fabric on many types of furniture. The fabric finds its way from the textile company, through a fabric.

House of Honey. Open navigation. Home · Company · Showroom · Portfolio · Press · Social · Contact. Close navigation. Contact Latest news · Your bag Your Account. Previous Next. Our work is born from a story, one that unfolds to create spaces that redefine expectation. We create inspiring and evocative experiences that.

You could also specialize in surface design and create decorative patterns for textiles as well as non-fabric materials, such as dinnerware, wallpaper and wrapping paper. In a textile design career, you might work for a textile manufacturer, interior or fashion design firm, architectural firm or the textile department of a museum.

13 Dec 2017 . LibrarySearch will find online articles but many important articles in architecture and design are not available online. Searching . The official magazine of the Design Institute of Australia (DIA) covers interior architecture and design, textile design, product design, exhibition design and graphic design. Curve.

Interior design and architecture studies courses develop students' sensibility in space design; decorative arts history courses introduce them to antiques and . Furniture, architecture, textiles, metalwork, glass, and ceramics are examined in relation to style and function, with special consideration given to the social contexts.

We offer a discount to qualified architects, interior designers and design professionals. As a Knoll Trade Account holder you'll receive exceptional tailored services.

Curated Collections · Design Partnerships · Natural · Textiles · Woven Color · Metallic · Recycled Glass · Impressions · Luminous · Graphics · Digital Prints · Browse All · Add-Ons & Finishes · Finishes · Reflective Finishes · Chemshield · Illume · Marker Board · Opaque · Spectrum · Quick Ship · Remnants. Solutions. Standard.

